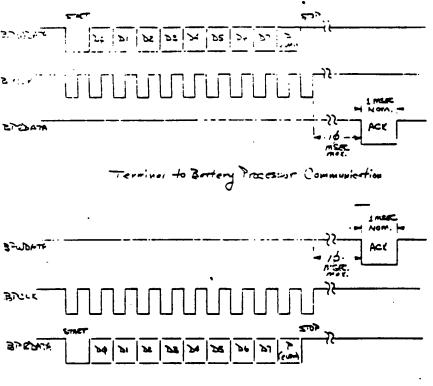
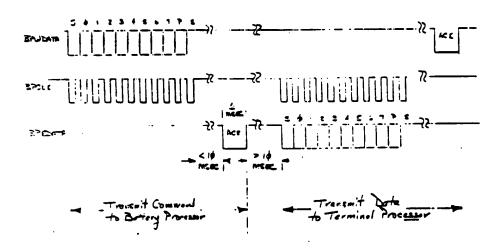
APPENDIX B

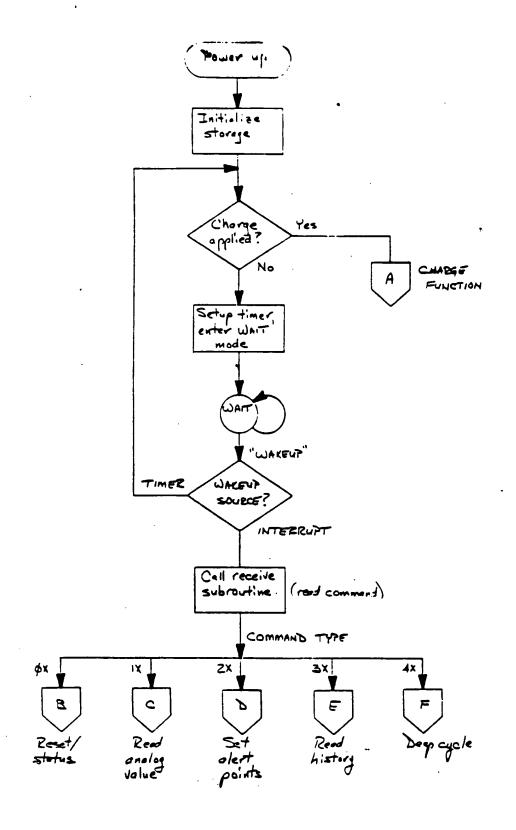
STEVEN E. KOENCK
APPLICATION FOR PATENT "BATTERY
CONDITIONING SYSTEM HAVING
CONTINUOUS SYSTEM HAVING
CONTINUOUS METERY
PAPAMETER METORY MEANS IN
COMMITTION WITH BATTERY
CONDITIONING" ATTY. DOCKET 5717-Y

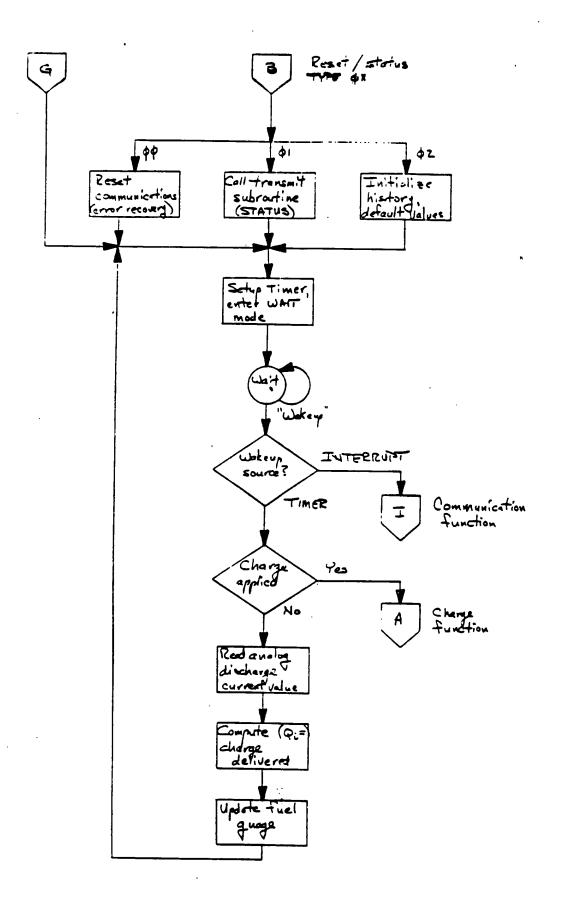


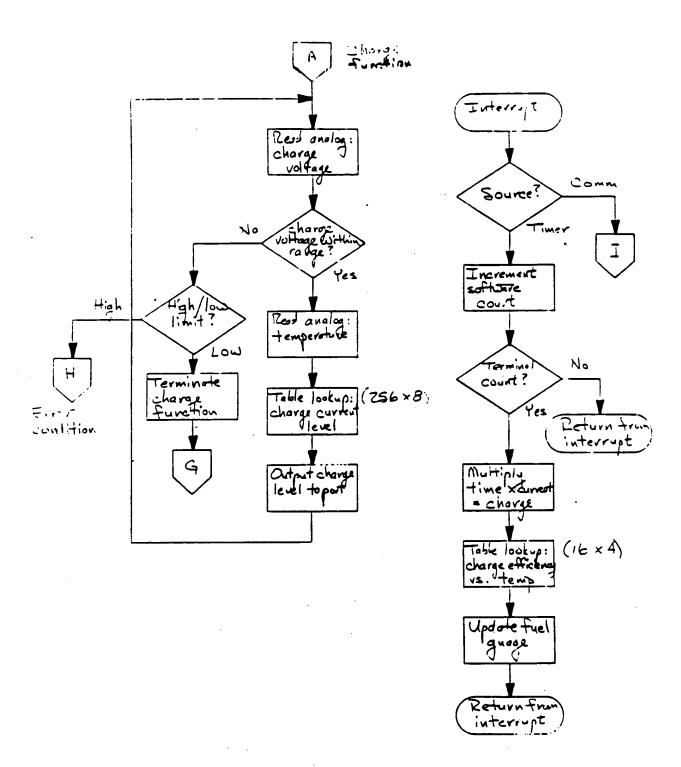
Bottony Processor to Terminal Communication



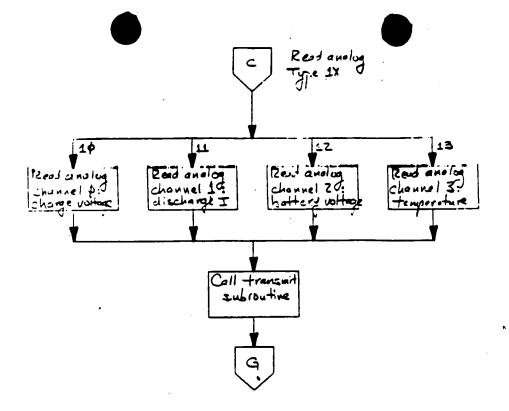
Command / Response Communication Protocol

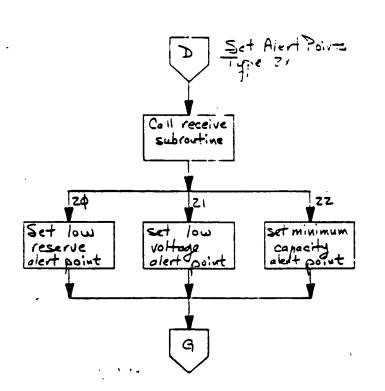


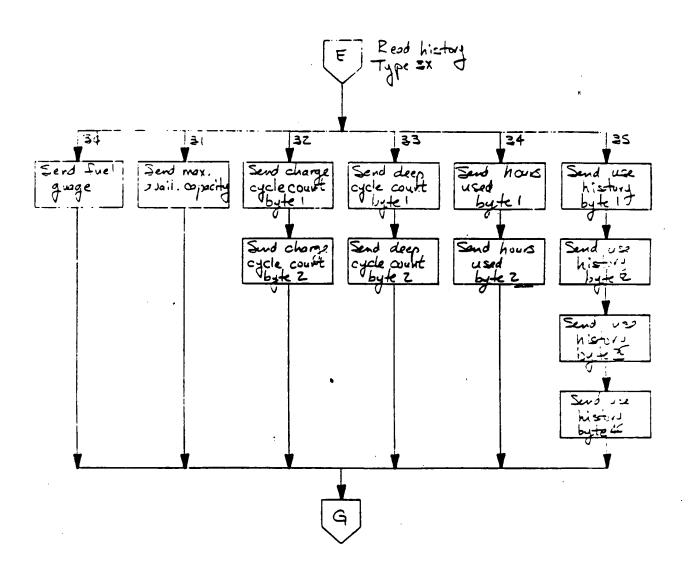


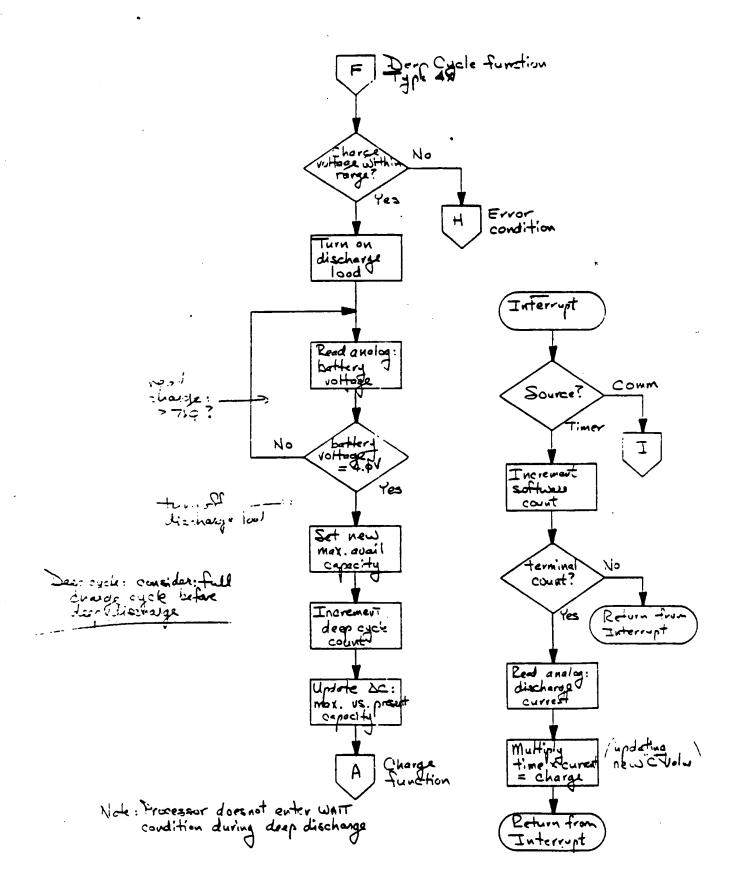


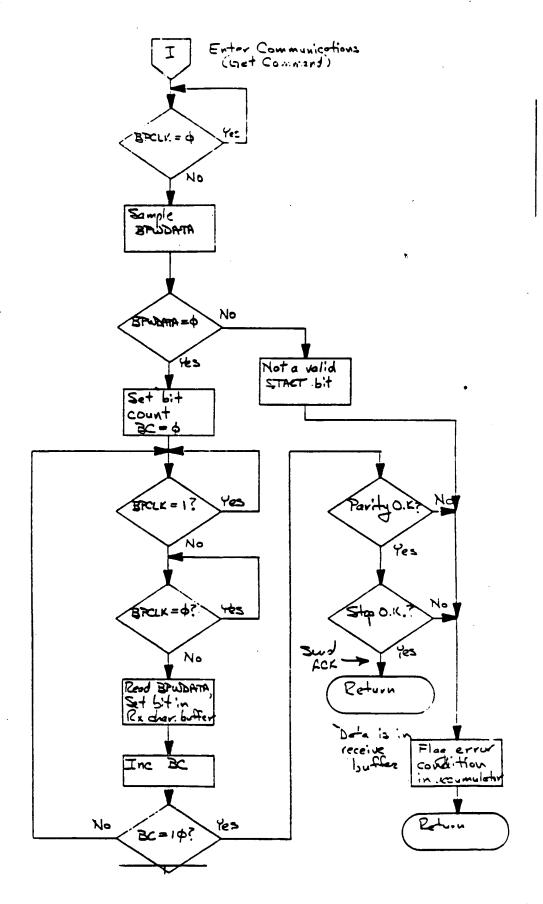
Note: Processor does not enter WAIT condition during charge.

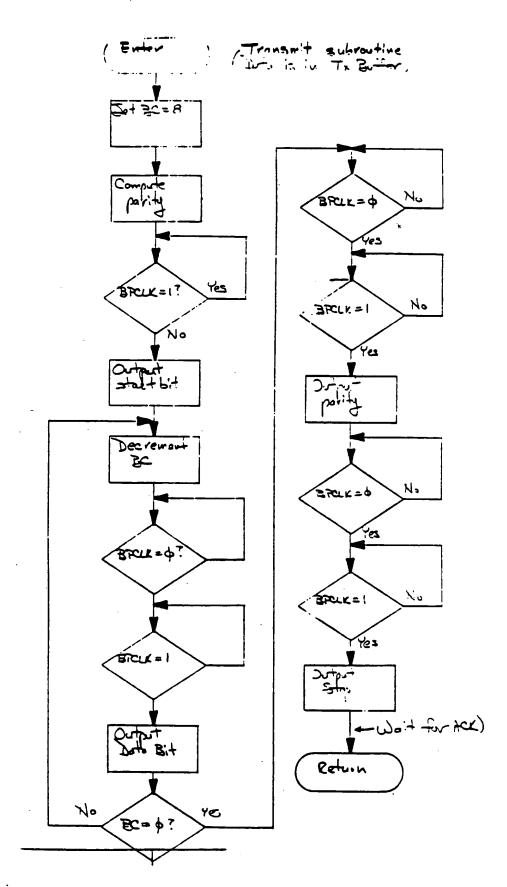












Charo: level lookup table:

Input variables: . 1. Temperature

Z. Charge vollage

3. Fuel guage

1. Temperature: table increments of 4°C × 16 steps = 64°C, -14°C +6 +50°C

Temperatures below - 14°C use - 14°C value

temperatures above +50°C use +50°C value

2. Charge voltage: table increments of 1.28 volts x8 steps = 10.24 Volts

7. \$\phi = V_{\text{CHG}} < 17.24 V.

Voltages below 7 volts or above 17.24 volts will cause the charge level to be turned off and an error condition to be transmitted to the terminal processor

3. Fuel guage: 4 steps: 0-25% 25-50% 50-75% 75-100%

THELE OUTPUT: 4 bits, binary weighted charge level = 32 ma/step

O

Teng

4 bits, binary weighted

Charge level = 32 ma/step

TABLE SIZE:

16 x 8 x 2 = Z56 Bytes

Temp Chysother %c (4 nillles)